• /	OF				15689	0.81	09/	964,904	
/0	_	RMATION DISCLOSUR	E CITATION (ary)		Applicant(s) Hijin Sato, et al.				
; (67	08	TOTAL SELECTION OF THE PROPERTY OF THE PROPERT			Filing Date September		Froup Art Unit	2661	
SALVA SALVA		arit.		U.S. PAT	ENT DOCUMENTS				
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS	PILING IF APPRO	DATE OPRIATE
/MR/	1	5,095,500	3/10/1992	Tayloe	et al.	379	32	10/19/19	
/MR/	2	5,884,163	3/16/1999	Hardou	in	455	423	12/23/1996	
/MR/	3	5,551,058	8/27/1996	Hutches	son et al.	455	33.2	10/31/19	194
				1					
							RECEI	1	
							JUL 11		
						To	chnology Ce	nter 2600)
									·
				•					
				<u> </u>					
				FOREIG	N PATENT DOCUME	NTS		_	
	REP	DOCUMENT NUMBER	DATE		COUNTRY		SUBCLASS	Trans YES	lation NO
/MR/	4	GB 2271486A	4/13/1994	United	Kingdom	H04B7	26	J	
.=									
				OTHER I	OOCUMENTS (Inclu	uding Author, Title, D	ate, Pertinent Pa	ges, Etc.)	
 									
XAMINE	R	/Melur Ramakrishnaiah/	1		DATE CONSIDERED	05/18/2007			
XAMINE ot conside	R: Initis	al if citation considered, whether clude copy of this form with next	or not citation is it communication to	conforman	ce with MPEP Section (609; Draw line throu	gh citation if not	in conform	ance and
					(REV/A	Potent and Tradema			

Docket Number (Optional)

Application Number

orm PTO-A820 also form PTO-1449)

				Docket Number (Optional) Application Number 15689.81 09/964,904				
NFQ	MATION DISCLOSUR	E CITATION (ary)		Applicant(s) Hijin Sato, et al.				
5 201	g g			Filing Date September 27, 2			2661	
	as S		U.S. PAT					
DEN.	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE
5,832,368 11/3/1998		11/3/1998	Nakano	et al.	455	63	12/12/1	
						RECE	1//⊏	_
						AUG 2	8 7003	
		ļ			-	Technology	Doritor 2)
					8			
			<u> </u>					
	,							
	,					-		
	······································		FOREIGI	N PATENT DOCUMENTS	<u> </u>		<u></u>	
REP	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Tren	slation
2	07298334 A	11/10/1985	Japan		H04Q7	22	J YES	NO
Y**			OTHER I	OOCUMENTS (Including	Author, Title, I	Date, Pertinent Po	ages, Etc.)	
					•			
-								
					·			
	/Melur Ramakrishnaiah/			DATE CONSIDERED 0	5/18/2007			
: Initis	I if citation considered, whether	or not citation is in communication to a	conforman	ce with MPEP Section 609; D	raw line thro	igh citation if no	t in conform	ance and
	REP 2	DOCUMENT NUMBER 5,832,368 REP DOCUMENT NUMBER 2 07298334 A /Melur Ramakrishnaiah/	DOCUMENT NUMBER 5,832,368 11/3/1998 REF DOCUMENT NUMBER DATE 2 07298334 A 11/10/1985 /Melur Ramakrishnaiah/ : Initial if citation considered, whether or not citation is in	U.S. PAT 5,832,368	IS689.81 Applicant(s) Hijin Sato, et al. Filing Date September 27, 2 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME S,832,368 11/3/1998 Nakano et al. FOREIGN PATENT DOCUMENTS Applicant(s) Hijin Sato, et al. Filing Date September 27, 2 U.S. PATENT DOCUMENTS NAME FOREIGN PATENT DOCUMENTS Applicant(s) FOREIGN PATENT DOCUMENTS TOTHER DOCUMENTS Applicant(s) Hijin Sato, et al. Filing Date September 27, 2 U.S. PATENT DOCUMENTS NAME NAME Applicant(s) NAME NAME NAME FOREIGN PATENT DOCUMENTS COUNTRY 2 07298334 A 11/10/1985 Japan OTHER DOCUMENTS (Including of the limit	TOTAL STATE AND A	THE DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS OTHER DOCUMENTS (Including Author, Title, Date, Pertinent P. Melur Ramakrishnalah) 15689.81 09/Hijin Sato, et al. 15689.81 169/Hijin Sato, et al. 169/Hijin Sato,	TILISES BE SENTED DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS VISCE STORY FOREIGN PATENT DOCUMENTS TECHNOlogy DUTTON - AUG. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.

Form PTO-A820 (also form PTO-1449)

UIF	13				Docket Number (Optional) Application Number 15689.81 09/964,904				
		RMATION DISCLOSUR (Use several sheets if neces			Applicant(s) Hijin Sato et al.				
HOV 17	2004	is (see see all all all all all all all all all a			Filing Date September 27	7, 2001	Group Art Unit	2661	
EN. CHAN	11.C.		U.	S. PATENT	DOCUMENTS	·			
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE
/MR/	1	5,528,247	6/18/1996	Nonami		342	357	6/7/199	
•				<u> </u>					
	1		U.S. PATEN	T APPLICA	ATION PUBLICATIONS			 	
•EXAMINER INITIAL			DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
				<u> </u>					
			_						
				<u> </u>					
	ī		FORE	EIGN PATE	NT DOCUMENTS		<u> </u>	т	
	REP	DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	YES YES	NO NO
					 				
	·····			DOCUMEN'	,		Pertinent Pages, E	ic.)	
/MF	1	Austrian Patent Office Singapore Application	: Service and Info 200105890-8	rmation Sec	ctor (TRF) Search Rep	ort			
EXAMINE	R	/Melur Ramakrishnaiah/			DATE CONSIDERED	05/18/2	007		
		al if citation considered, whether clude copy of this form with nex			ce with MPEP Section 609	9; Draw line thro	ugh citation if no	t in conform	ance and

Form PTO-A820 (also form PTO-1449)

OIP	O INFORMATION DISCLOSUR			9-0°) ECITATION		Docket Number (Optional) 15689.8 Applicant(s)	31	09/964,904			
	2005	5033	(Use several sheets if necessi	(עזיי		Hijin Sato et al. Filing Date		Group Art Unit		<u>.</u>	
JUN 0		FI				September 2	7, 2001	i i	661		
ENTS TRAI	TEMARY	1		נט	S. PATENT	DOCUMENTS					
•EXAMINER INITIAL	REF		DOCUMENT NUMBER	DATE		NAME	CLASS	SUBCLASS		G DATE OPRIATE	
							·				
-											
		•		U.S. PATEN	T APPLICA	TION PUBLICATIONS					
*EXAMINER INITIAL	REF	REF DOCUMENT NUMBER		DATE		NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
				. :		•					
							i				
							;				
				FORE	EIGN PATE	NT DOCUMENTS					
	·REF		DOCUMENT NUMBER	DATE		COUNTRY	CLASS	SUBCLASS	Tran YES	NO NO	
/MR/	1	07-	170566	7/4/1995	Japan		H04Q7	36	>		
	2	11-0	004476	1/6/1999	Japan		H04Q7	36	. 🗸		
	3	10-0	023514	1/23/1998	Japan	•	H04Q7	36	>		
	4	11-	163784	6/18/1999	Japan		H04B7	26	>		
V	5	09-0	065422	3/7/1997	Japan		H04Q7	38	>		
					DOCUMEN	TS (Including Au	ithor, Title, Date,	Pertinent Pages, E	(c.)		
/MR	J	6	Official Notice of Reject Patent Application No.: Case No.: DCMH12017	ction 2000-311229 7							
/M	R/	7	Official Notice of Rejec Patent Application No.: Case No.: DCMH12015	tion 2000-300975 0							
EXAMINE	R		/Melur Ramakrishnaia	ah/		DATE CONSIDERED	05/18/2	2007	- · - · · · · · · · · · · · · · · · · ·		
			itation considered, whether copy of this form with next			ce with MPEP Section 60			in conform	nance and	

2-13-06

NFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket	number (Optional)
	15689.81

Application Number

09/964,904

Applicant(s)

Hijin Sato, et al.

Filing Date

Group Art Unit

9/27/2005

2661

A DEMARK	* /		U.S. PATEN	NT DOCUMENTS				
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILINC IF APPRO	DATE
/MR/	1	6,882,845	4/19/2005	Sato et al.	455	446	02/02	/2001
		U.S	S. PATENT APPLI	ICATION PUBLICATIONS				
EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIRATE	
/MR/	2	2003/0199269 A1	10/23/2003	Tobe et al.	455	422.1	04/18/2003	
		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
			FOREIGN PA	TENT DOCUMENTS		3,000		
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans YES	
							YES	NO
			T = 1		0, = 0			
XAMINER	/Melur	Ramakrishnaiah/		DATE CONSIDERED	· 05/18/200	1		

not considered. Include copy of this form with next communication to applicant.

11-2-06

CANTE OF A STATE AS A STATE OF A	TION DISC	THE CONTINUES.	

(Use several sheets if necessary)

	Docket number (Optional)	Application Number	
İ	15689.81	15689.81 09/964,904	
	Applicant(s)	-	
	F	Iijin Sato, et al.	
	Filing Date	Group Art Unit	
	9/27/2001	2614	

			U.S. PATE	NT DOCUMENTS				
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS		G DATE OPRIRATE
	!							
	<u> </u>							
	j			-				
				 		<u> </u>		
	 							
				+				
		TI	O DATENT ADDI	ECATION BUDI ICATIONS				
		Ust	S. PATENT AFFL	ICATION PUBLICATIONS	<u> </u>			·
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	9	G DATE OPRIRATE
			<u> </u>					
		· .		 	•			
-								
			FOREIGN PA	TENT DOCUMENTS		,		,
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS		slation
/MR/	1	09-284859	10/31/1997	Japan	H04Q7	38	YES	NO
There's		,	20,000					
							 	
EXAMINER	/Meli	ur Ramakrishnaiah/		DATE CONSIDERED	05/40/2007			0)
					05/18/2007			
EXAMINER: In not considered.	aitial if cits Include co	ation considered, whether or not c opy of this form with next commun	itation is in confor	mance with MPEP Section 6	i09; Draw line th	rough citation if	not in confo	rmance and

INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Docket number (Optional) Application Number 15689.81 09/964,904			
Applicant(s)			
]	Hijin Sato, et al.		
Filing Date	Group Art Unit		
9/27/2001	2614		

		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							
2	Official Notice of Rejection, Case N hereto as Article 1)	No.: DCMH120150, Patent Application No.: 2000-300975 (copy attached							
	` .								
/Me	elur Ramakrishnaiah/	DATE CONSIDERED 05/18/2007							
	/Me	hereto as Article 1)							

not considered. Include copy of this form with next communication to applicant.

1P	Ē				Docket Number (Optional) Application Number 15689.81 09/964,904			
10	INFQ	RMATION DISCLOSURE	CITATION 79)	Applicant(s) Hijin Sato (et al.			
8 0 HUL	7015	(Use several sheets if necessar		Filing Date Septe	mber 27, 2001	Group Art Unit	2661	
CATS TRAI	Califit		v.s	PATENT DOCUMENTS	_			
EXAMBIER DITTAL	RED	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	PILENC IF APPRI	G DATE OPRIATE
		/ .						-
	7					1		
				·				
		/			7			
			U.S. PATENT	APPLICATION PUBLIC	ATIONS			
*EXAMBIER DITTAL	NET?	DOCUMENT NUMBER	DATE	NAME	: CLASS	SUBCLASS	FILONO IF APPRI	G DATE OPRIATE
		/						
	/.	·						
$ \angle $								
			FORE	GN PATENT DOCUMEN				
	·REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Trans	statica NO
NRIE	1	07-170566	7/4/1995	Japan	H04Q7	36	7	
	2	11-004476	1/6/1999	Japan	H04Q7	36	1	
	,	10-023514	1/23/1998	Japan	H04Q7	36	1	
1:	•	11-163784	6/18/1999	Japan	H04B7	26	1	
1	5	09-065422	3/7/1997	Japan	H04Q7	38	1	
			•	OCUMENTS (Inc	luding Author, Title, Date,	Pertinent Pages, E	ic.)	
NRV	_	Official Notice of Reject Patent Application No.: Case No.: DCMH120177		nods-	L e			
NA	1	Official Notice of Reject Patent Application No.: Case No.: DCMH120150	2000-300975	noda	le:			
EXAMINE	* -M	edur Ramat	criph	DATE CONSI	DERED 12-5.	-08		
	R: Initi	ial if citation considered, whether coclude copy of this form with next of	or not citation is in	conformance with MPEP	Section 609; Draw line th	rough eltation if no	t in conforu	ance and

Form PTO-A820 (also form PTO-1449) POSA/REVOS

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE

110 pm					15689.81 09/964,904				
INFORMATION DISCLOSURE CITATION Applicants) Hijin Sato et al.									
May 1 7 2004 (1)					Filling Date Group Art				
1 3					September 27, 2001		2661		
U.S. PATENT DOCUMENTS									
*EXAMETER ENITTAL	REF	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
NRIL	,	5,528,247	6/18/1996	Nonami		342	357	6/7/1994	
\angle						(
U.S. PATENT APPLICATION PUBLICATIONS									
*EXAMPLER DITTIAL	REF DOCUMENT NUMBER DATE			NAME	CLASS	SUBCLASS	FOLDIG IV APPRO		
	\leq								
									
FOREIGN PATENT DOCUMENTS									
	NET	DOCUMENT NUMBER	DATE		COUNTRY		SUBCLASS	Translation YES MO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)									
Austrian Patent Office Service and Information Sector (TRF) Search Report Singapore Application 200105890-8									
nell! no date									
EXAMINER Melur Ramakrich DATE CONSIDERED 12-5-08									
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.									

Form PTO-A820 (also form PTO-1449) PODAREVOS

Patent and Trademark Office * U.S. DEPARTMENT OF COMMERCE